

Replacement sheet

PCT/CA2003/001312

Sheet 1 of 11

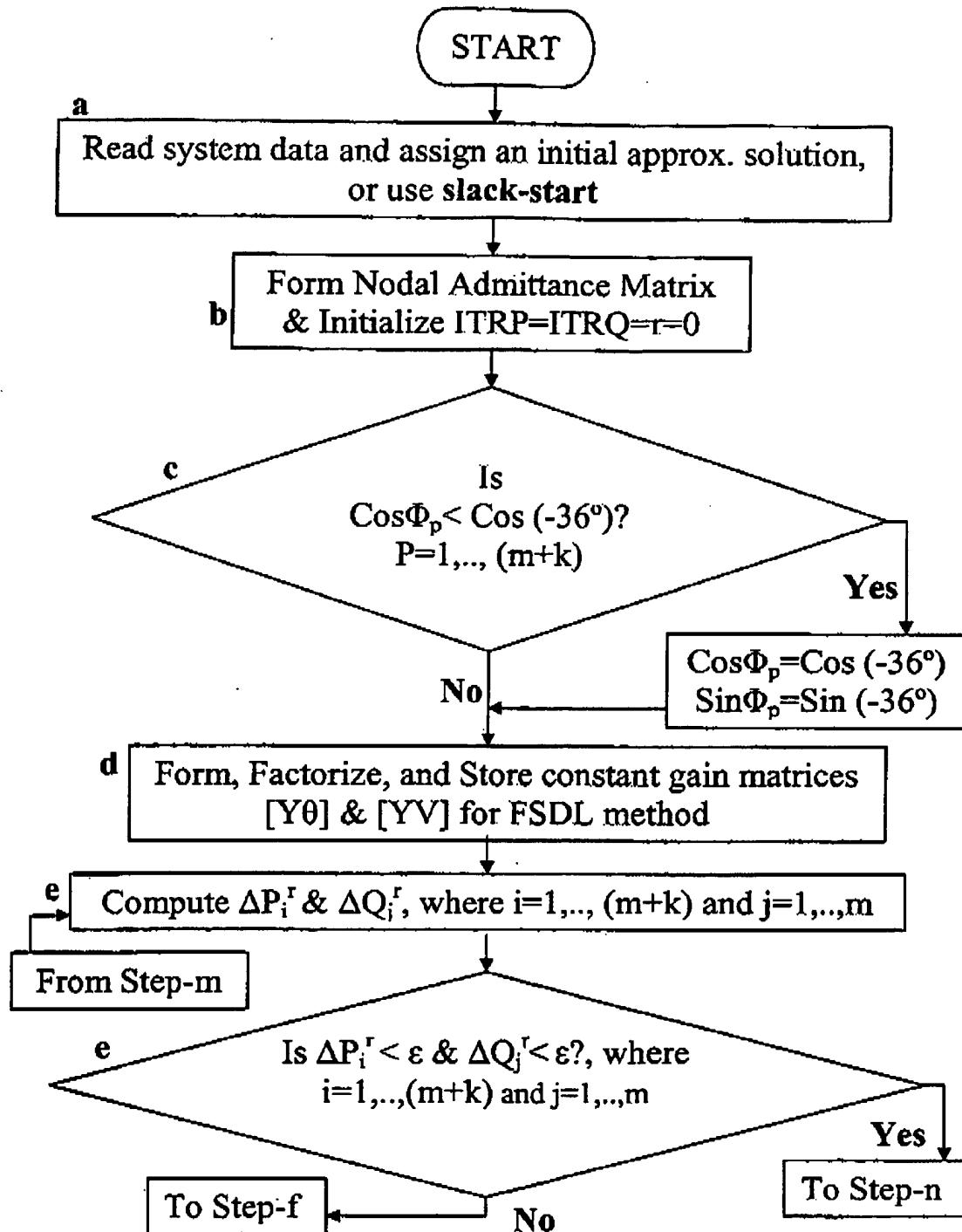


Fig.1:Prior Art: Flow-chart of Fast Super Decoupled Loadflow (FSDL) method

Replacement sheet

PCT/CA2003/001312

Sheet 2 of 11

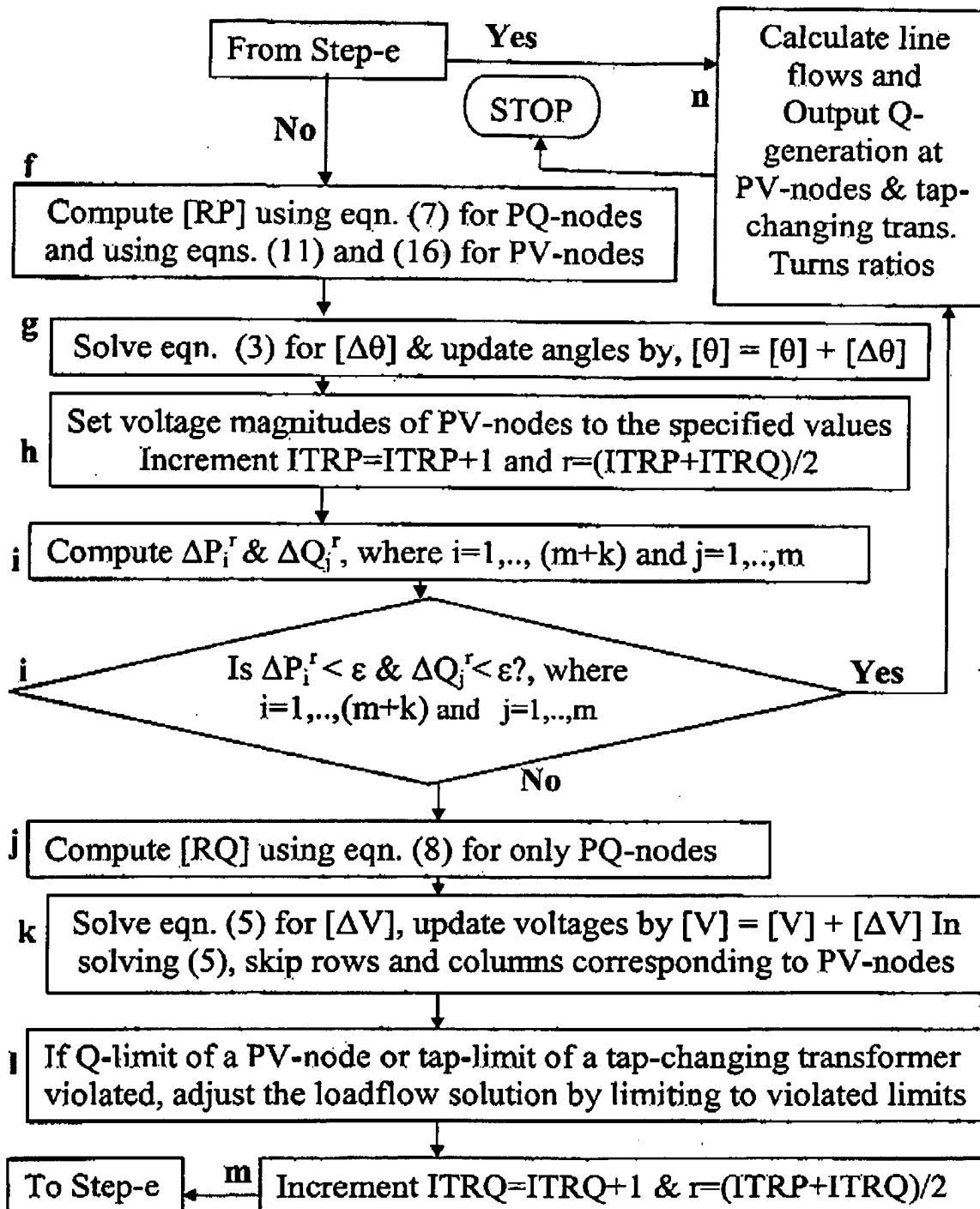


Fig.1:Prior Art: Flow-chart of Fast Super Decoupled Loadflow (FSDL) method

Replacement Sheet

PCT/CA2003/001312

Sheet 3 of 11

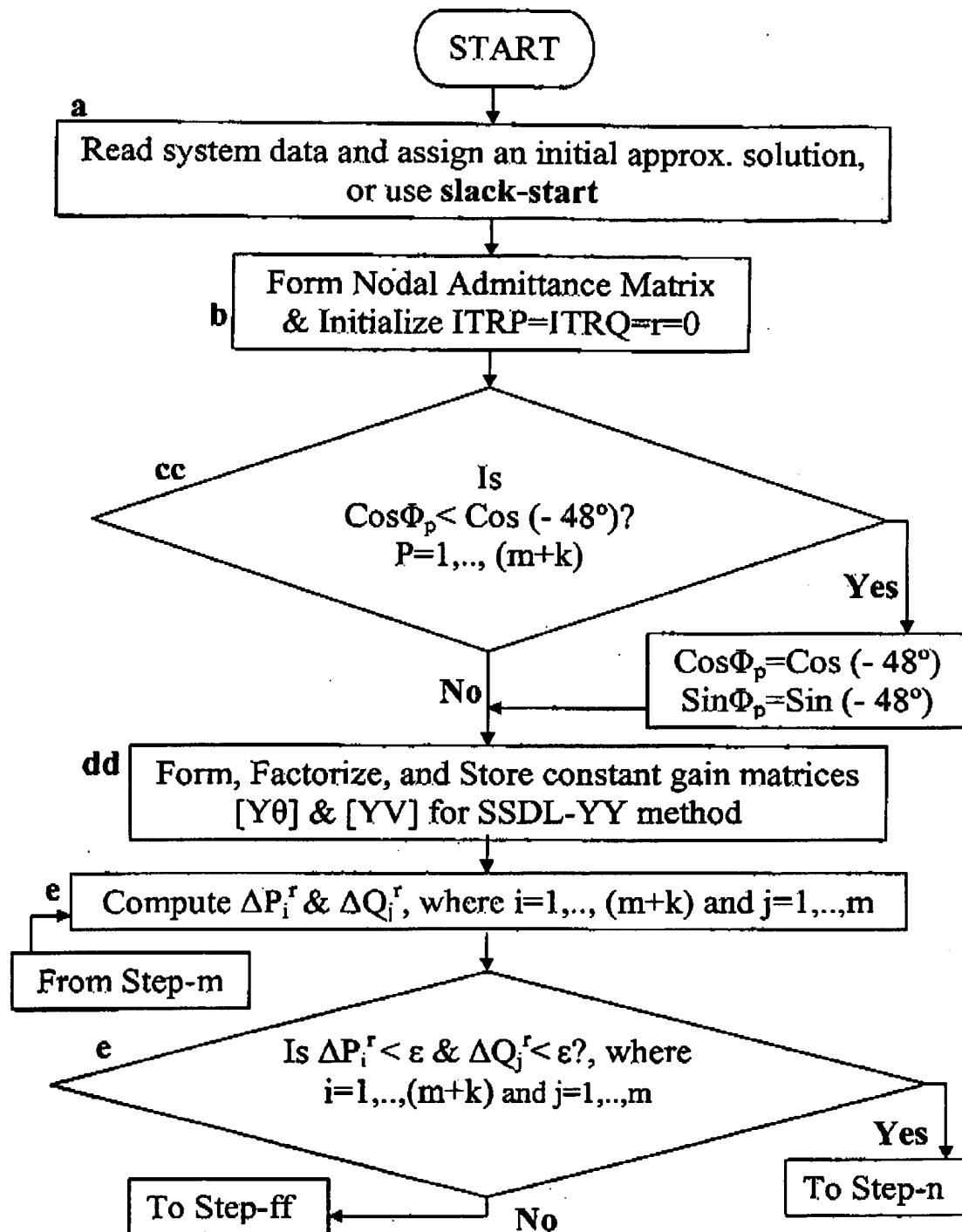


Fig.2:Invention: Flow-chart of Super Super Decoupled Loadflow (SSDL-YY) method

Replacement Sheet

PCT/CA2003/001312

Sheet 4 of 11

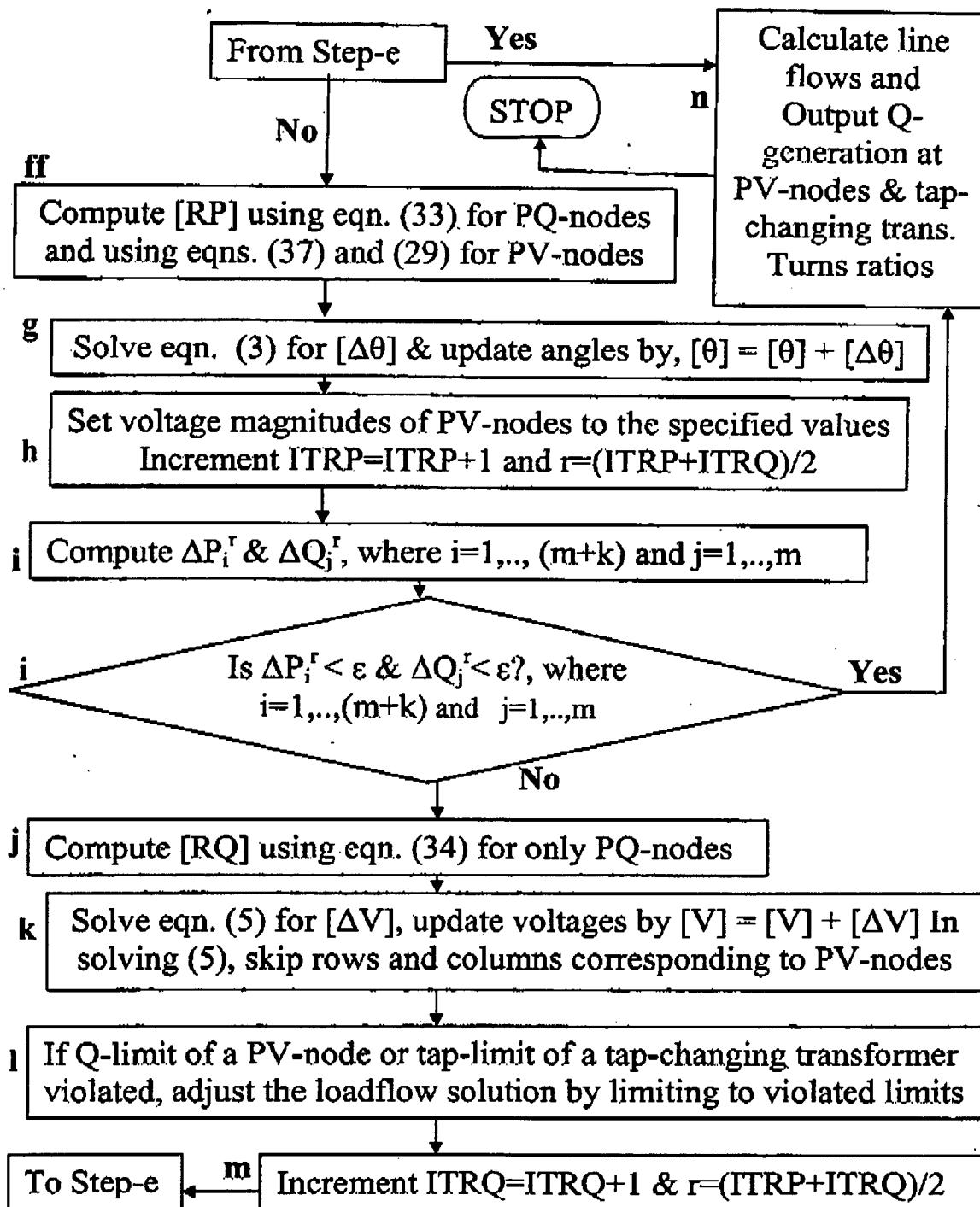


Fig.2:Invention: Flow-chart of Super Super Decoupled Loadflow (SSDL-YY) method

Replacement sheet

PCT/CA2003/001312

Sheet 5 of 11

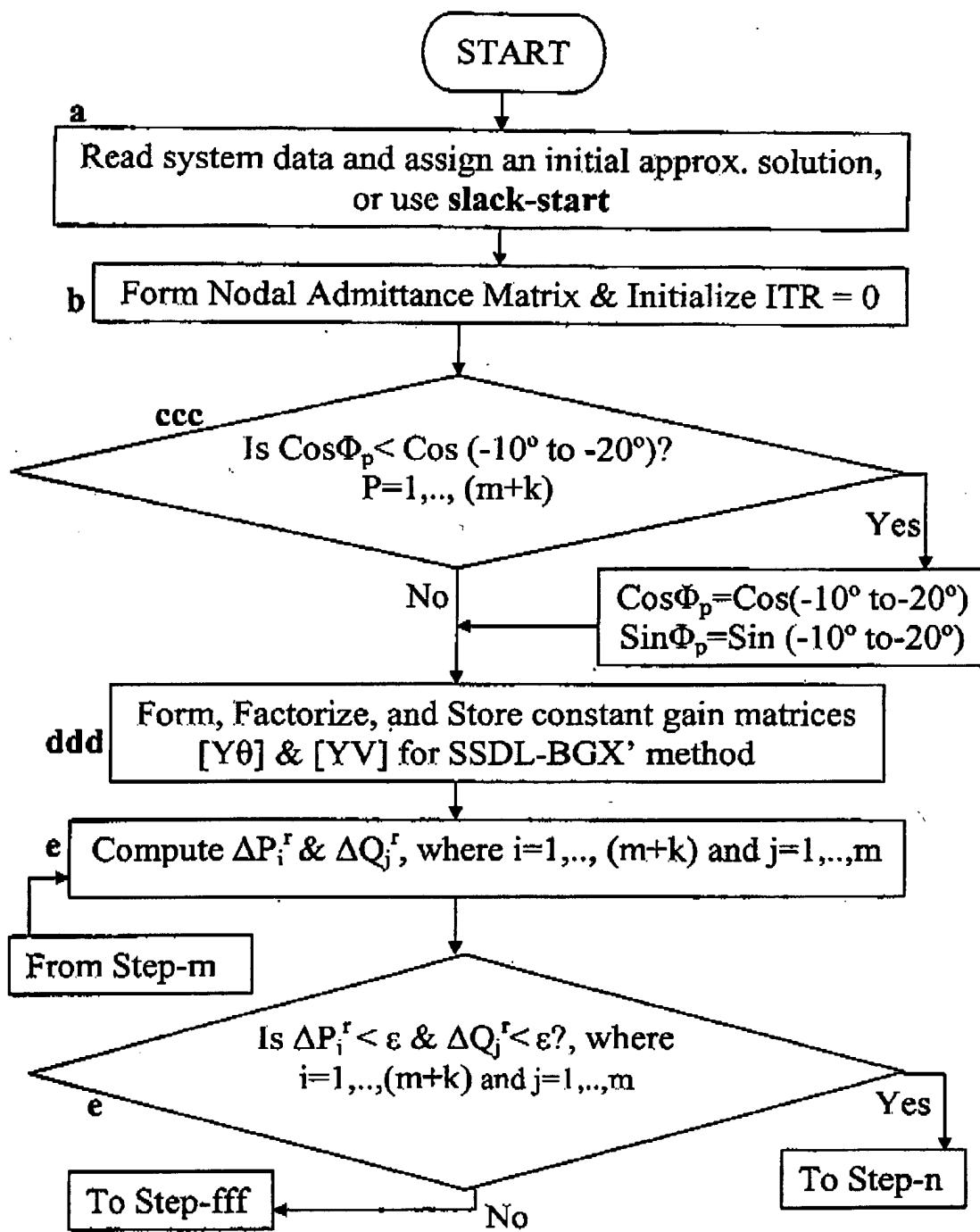


Fig.3:Invention: Flow-chart of Super Super Decoupled Loadflow (SSDL-BGX') method

Replacement sheet

PCT/CA2003/001312

Sheet 6 of 11

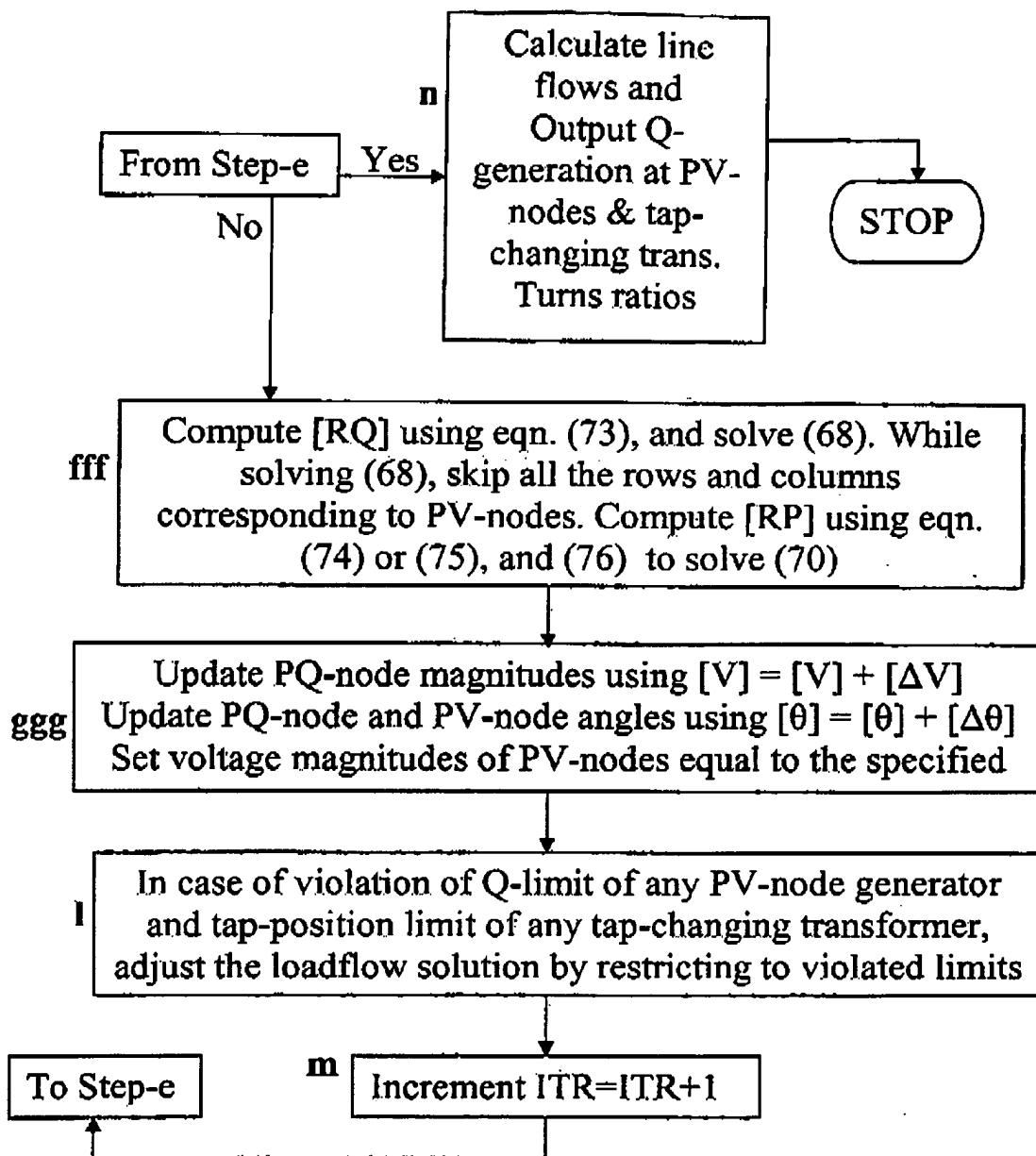


Fig.3:Invention: Flow-chart of Super Super Decoupled Loadflow (SSDL-BGX') method

Requirement Sheet

PCT/CA2003/001312

Sheet 7 of 11

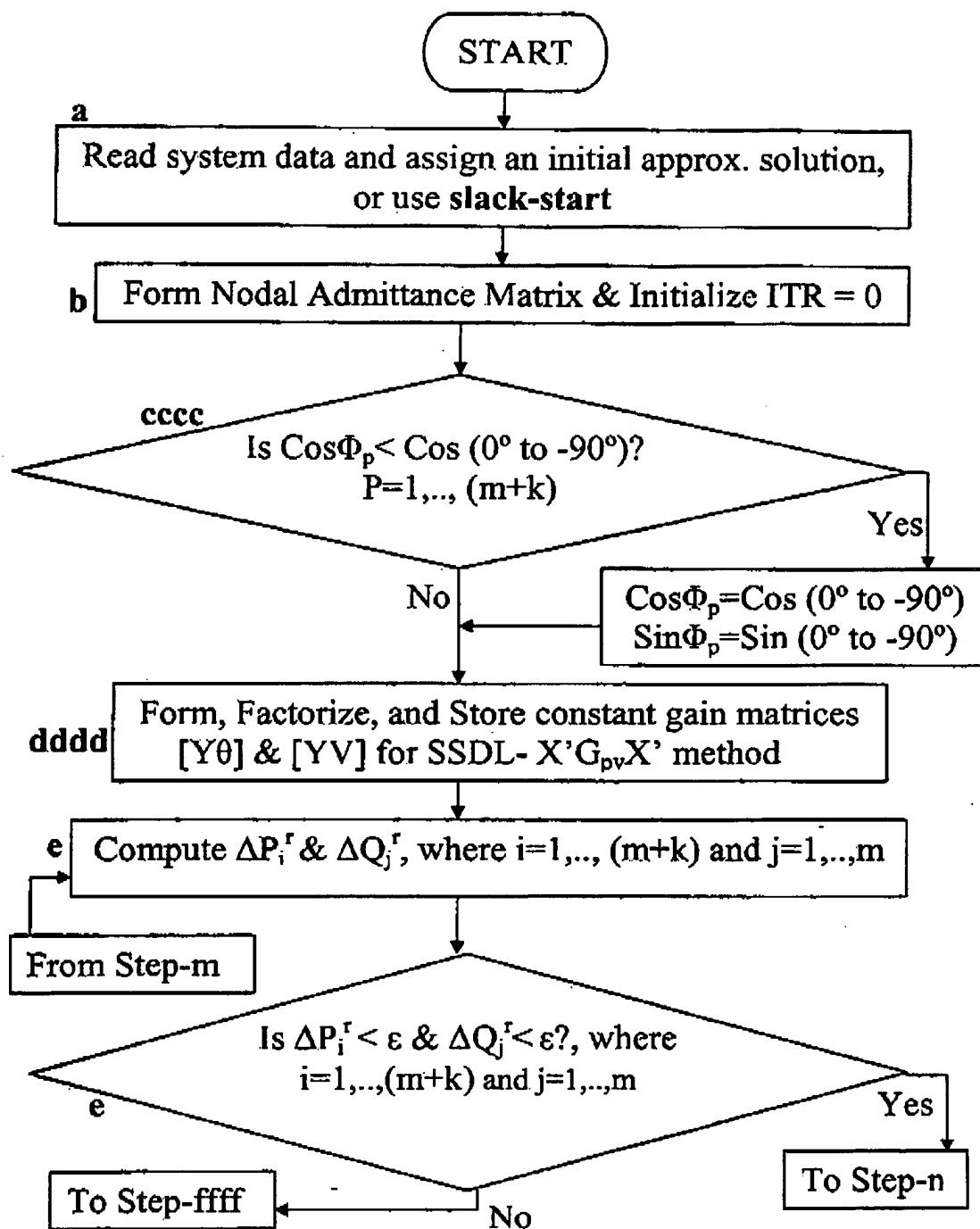


Fig.4:Invention: Flow-chart of Super Super Decoupled Loadflow (SSDL- $X'G_{pv}X'$) method

Replacement Sheet

PCT/CA2003/001312

Sheet 8 of 11

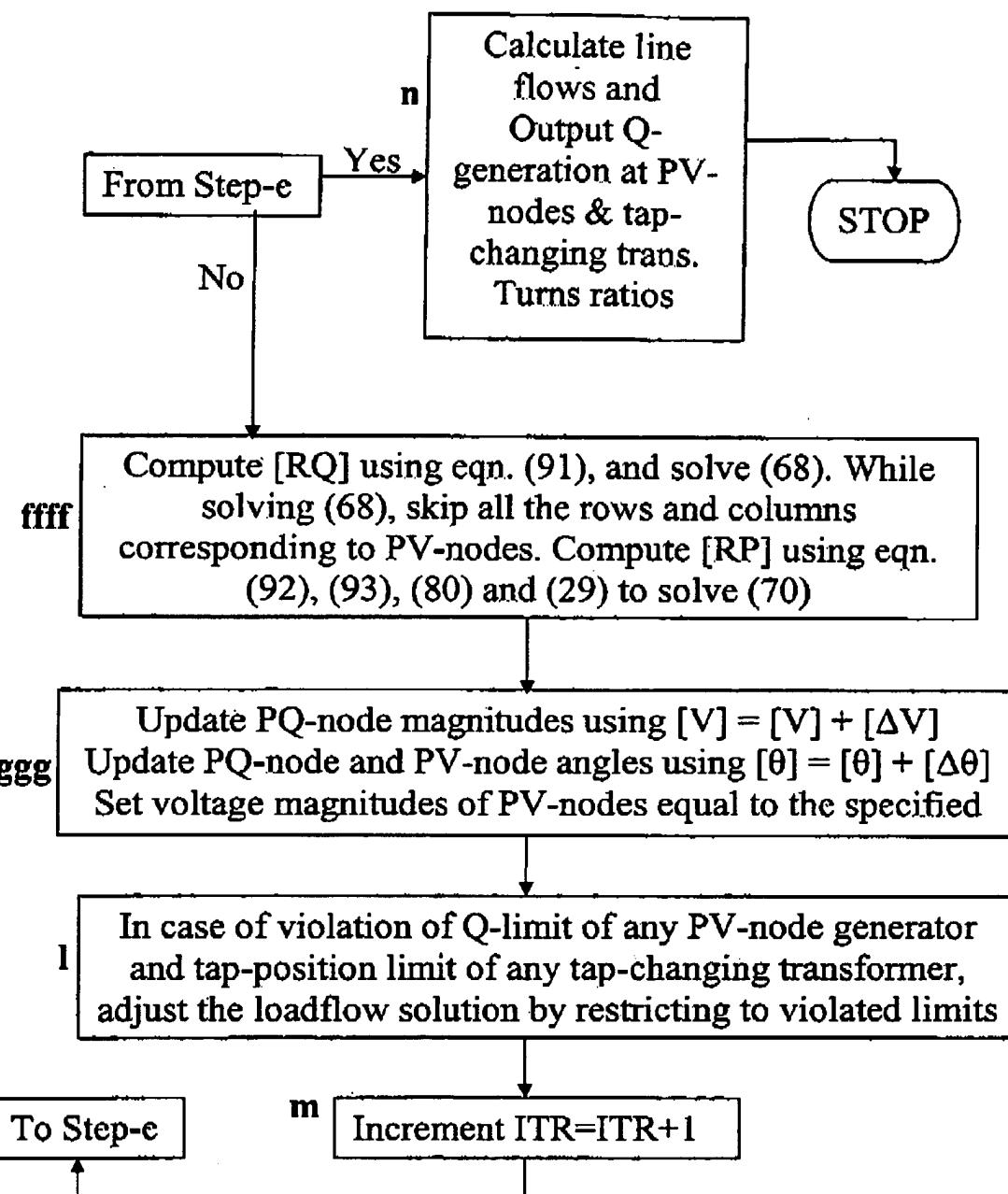


Fig.4:Invention: Flow-chart of Super Super Decoupled Loadflow (SSDL-X'G_{pv}X') method

replacement sheet

PCT/CA2003/001312

Sheet 9 of 11

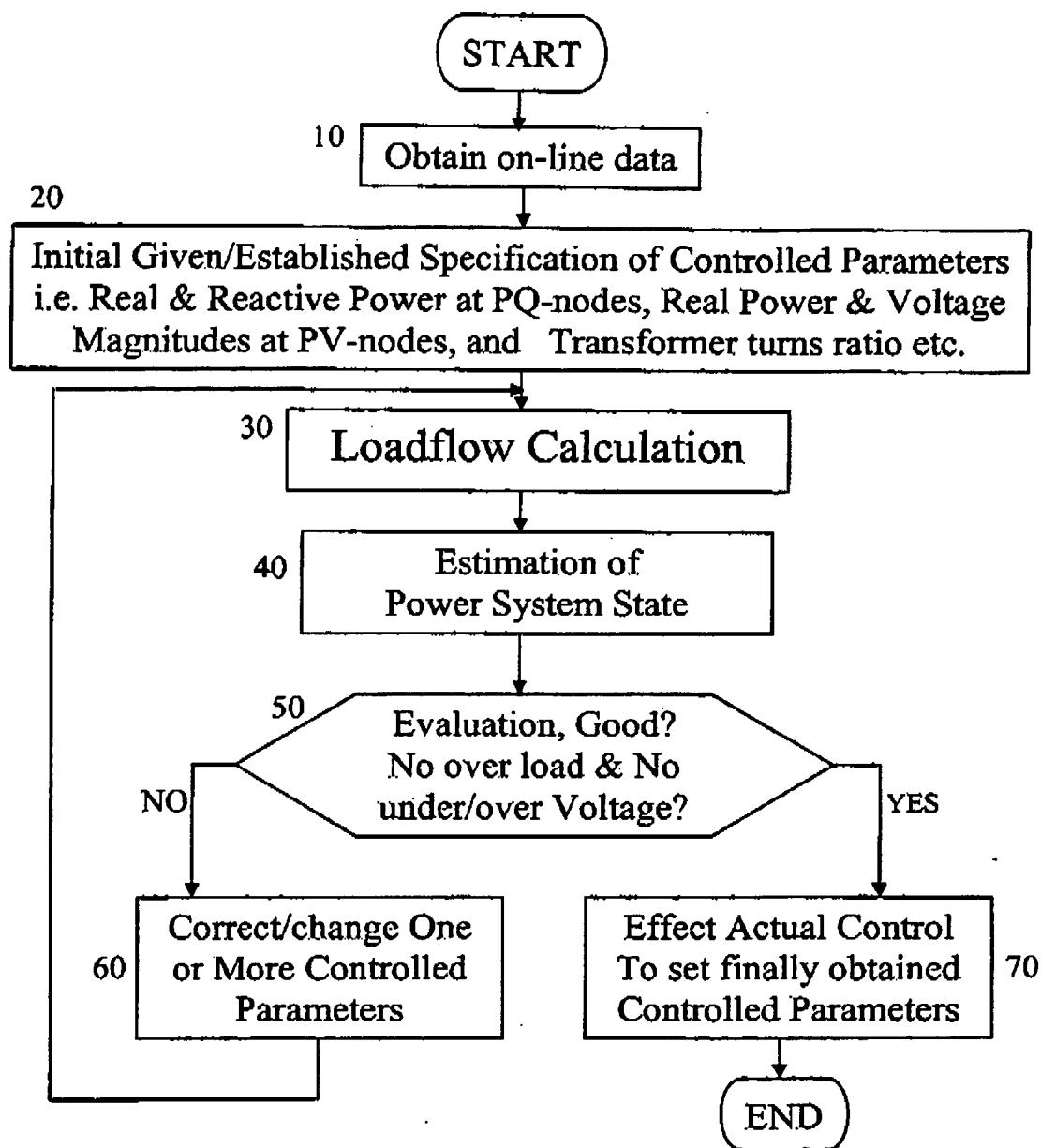


Fig.5: Loadflow Calculation in Power Flow Control and/or Voltage Control in Electrical Power System

Replacement sheet

PCT/CA2003/001312

Sheet 10 of 11

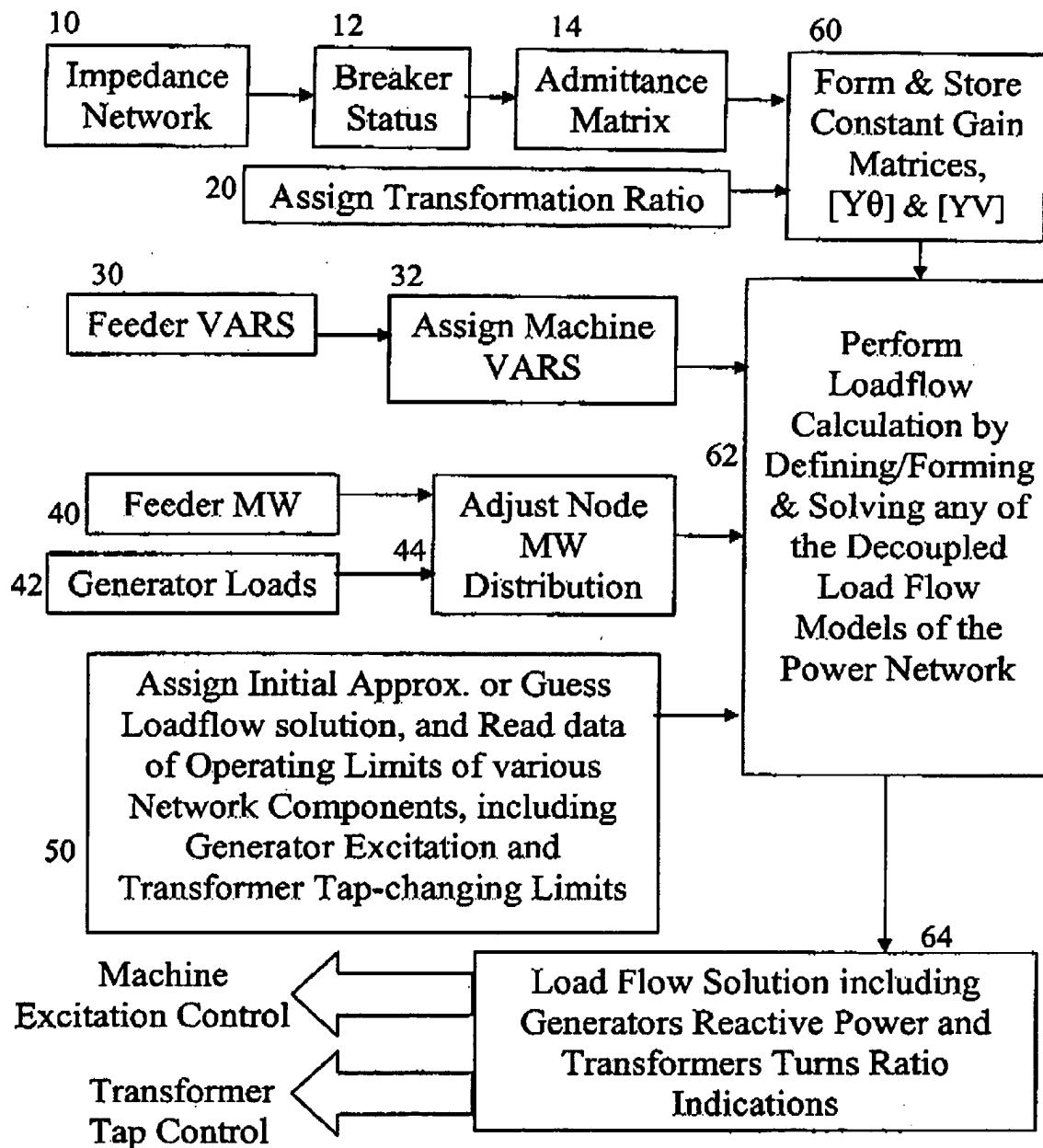


Fig. 6: Load-Flow Calculation for Voltage Control in Electrical Power System

~~Powerflow sheet~~

PCT/CA2003/001312

Sheet 11 of 11

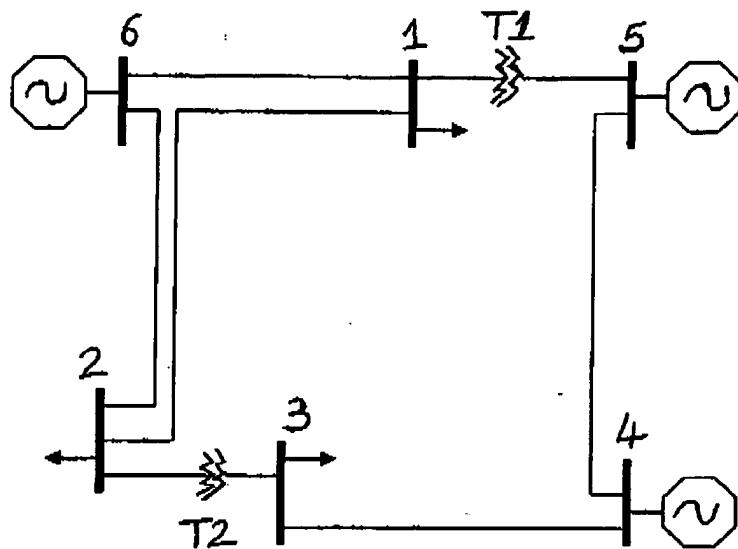


Fig. 7: An Exemplary 6-node Power System

Nodes: 1, 2, 3 are PQ-nodes

Nodes: 4 and 5 are PV-nodes

Nodes: 6 is the slack/swing/reference node

Transformers T1 and T2 are tap-changing